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Table 80: Taiwan Carbon Fiber Market Trends & Outlook: 2021-2031 (Tonnes, $ Million)**Error! Bookmark not defined.**

Figure 84: Taiwan Carbon Fiber Market Trends & Outlook: 2021-2031 ..... **Error! Bookmark not defined.**

8.9.1. Trends & Outlook by Application ..... **Error! Bookmark not defined.**

Table 81: Taiwan Carbon Fiber Market Trends & Outlook by Application: 2021-2031 (Tonnes)**Error! Bookmark not defined.**

Figure 85: Taiwan Carbon Fiber Market Share by Application: 2025 & 2031 (Tonnes)**Error! Bookmark not defined.**

Table 82: Taiwan Carbon Fiber Market Trends & Outlook by Application: 2021-2031 ($ Million)**Error! Bookmark not defined.**

Figure 86: Taiwan Carbon Fiber Market Share by Application: 2025 & 2031 ($ Million)**Error! Bookmark not defined.**

8.10. Rest of Asia-Pacific ..... **Error! Bookmark not defined.**

Table 83: Rest of Asia-Pacific Carbon Fiber Market Trends & Outlook: 2021-2031 (Tonnes, $ Million) ..... **Error! Bookmark not defined.**

Figure 87: Rest of Asia-Pacific Carbon Fiber Market Trends & Outlook: 2021-2031 ..... **Error! Bookmark not defined.**

8.10.1. Trends & Outlook by Application ..... **Error! Bookmark not defined.**

Table 84: Rest of Asia-Pacific Carbon Fiber Market Trends & Outlook by Application: 2021-2031 (Tonnes) ..... **Error! Bookmark not defined.**

Figure 88: Rest of Asia-Pacific Carbon Fiber Market Share by Application: 2025 & 2031 (Tonnes)**Error! Bookmark not defined.**

Table 85: Rest of Asia-Pacific Carbon Fiber Market Trends & Outlook by Application: 2021-2031 ($ Million) .... **Error! Bookmark not defined.**

Figure 89: Rest of Asia-Pacific Carbon Fiber Market Share by Application: 2025 & 2031 ($ Million) ..... **Error! Bookmark not defined.**

9. Latin America: Carbon Fiber Market Trends & Outlook ..... Error! Bookmark not defined.

Table 86: Latin American Carbon Fiber Market Trends & Outlook: 2021-2031 (Tonnes, $ Million)**Error! Bookmark not defined.**

Figure 90: Latin American Carbon Fiber Market Trends & Outlook: 2021-2031 ..... **Error! Bookmark not defined.**

9.1. Trends & Outlook by Country ..... Error! Bookmark not defined.

Table 87: Latin American Carbon Fiber Market Trends & Outlook by Country: 2021-2031 (Tonnes) ..... Error! Bookmark not defined.

Figure 91: Latin American Carbon Fiber Market Share by Country: 2025 & 2031 (Tonnes) Error! Bookmark not defined.

Table 88: Latin American Carbon Fiber Market Trends & Outlook by Country: 2021-2031 ($ Million) ..... Error! Bookmark not defined.

Figure 92: Latin American Carbon Fiber Market Share by Country: 2025 & 2031 ($ Million) Error! Bookmark not defined.

9.2. Trends & Outlook by Application ..... Error! Bookmark not defined.

Table 89: Latin American Carbon Fiber Market Trends & Outlook by Application: 2021-2031 (Tonnes) ..... Error! Bookmark not defined.

Figure 93: Latin American Carbon Fiber Market Share by Application: 2025 & 2031 (Tonnes) Error! Bookmark not defined.

Table 90: Latin American Carbon Fiber Market Trends & Outlook by Application: 2021-2031 ($ Million) ..... Error! Bookmark not defined.

Figure 94: Latin American Carbon Fiber Market Share by Application: 2025 & 2031 ($ Million) Error! Bookmark not defined.

9.3. Trends & Outlook by Modulus Type ..... Error! Bookmark not defined.

Table 91: Latin American Carbon Fiber Market Trends & Outlook by Modulus Type: 2021-2031 (Tonnes) ..... Error! Bookmark not defined.

Figure 95: Latin American Carbon Fiber Market Share by Modulus Type: 2025 & 2031 (Tonnes) Error! Bookmark not defined.

Table 92: Latin American Carbon Fiber Market Trends & Outlook by Modulus Type: 2021-2031 ($ Million) ..... Error! Bookmark not defined.

Figure 96: Latin American Carbon Fiber Market Share by Modulus Type: 2025 & 2031 ($ Million) Error! Bookmark not defined.

9.4. Supply & Demand Analysis ..... Error! Bookmark not defined.

Table 93: Latin American Carbon Fiber Supply & Demand Analysis: 2021-2031 (Tonnes) Error! Bookmark not defined.

Figure 97: Latin American Carbon Fiber Supply & Demand: 2021-2031 (Tonnes) ..... Error! Bookmark not defined.

9.5. Brazil ..... Error! Bookmark not defined.

Table 94: Brazil Carbon Fiber Market Trends & Outlook: 2021-2031 (Tonnes, $ Million) Error! Bookmark not defined.

Figure 98: Brazil Carbon Fiber Market Trends & Outlook: 2021-2031 ..... Error! Bookmark not defined.

9.5.1. Trends & Outlook by Application ..... Error! Bookmark not defined.

Table 95: Brazil Carbon Fiber Market Trends & Outlook by Application: 2021-2031 (Tonnes) Error! Bookmark not defined.

Figure 99: Brazil Carbon Fiber Market Share by Application: 2025 & 2031 (Tonnes) ..... Error! Bookmark not defined.

Table 96: Brazil Carbon Fiber Market Trends & Outlook by Application: 2021-2031 ($ Million) Error! Bookmark not defined.

Figure 100: Brazil Carbon Fiber Market Share by Application: 2025 & 2031 ($ Million) Error! Bookmark not defined.

9.6. Mexico ..... Error! Bookmark not defined.

Table 97: Mexico Carbon Fiber Market Trends & Outlook: 2021-2031 (Tonnes, $ Million) Error! Bookmark not defined.

Figure 101: Mexico Carbon Fiber Market Trends & Outlook: 2021-2031 ..... Error! Bookmark not defined.

9.6.1. Trends & Outlook by Application ..... Error! Bookmark not defined.

Table 98: Mexico Carbon Fiber Market Trends & Outlook by Application: 2021-2031 (Tonnes) Error! Bookmark not defined.

Figure 102: Mexico Carbon Fiber Market Share by Application: 2025 & 2031 (Tonnes) Error! Bookmark not defined.

Table 99: Mexico Carbon Fiber Market Trends & Outlook by Application: 2021-2031 ($ Million) Error! Bookmark not defined.

Figure 103: Mexico Carbon Fiber Market Share by Application: 2025 & 2031 ($ Million) Error! Bookmark not defined.

9.7. Rest of Latin America ..... Error! Bookmark not defined.

Table 100: Rest of Latin America Carbon Fiber Market Trends & Outlook: 2021-2031 (Tonnes, $ Million) ..... Error! Bookmark not defined.

Figure 104: Rest of Latin America Carbon Fiber Market Trends & Outlook: 2021-2031 . Error! Bookmark not defined.

9.7.1. Trends & Outlook by Application ..... Error! Bookmark not defined.

Table 101: Rest of Latin America Carbon Fiber Market Trends & Outlook by Application: 2021-2031 (Tonnes) .. Error! Bookmark not defined.

Figure 105: Rest of Latin America Carbon Fiber Market Share by Application: 2025 & 2031 (Tonnes) ..... Error! Bookmark not defined.

Table 102: Rest of Latin America Carbon Fiber Market Trends & Outlook by Application: 2021-2031 ($ Million) Error! Bookmark not defined.

Figure 106: Rest of Latin America Carbon Fiber Market Share by Application: 2025 & 2031 ($ Million) ..... Error! Bookmark not defined.

10. Rest of World: Carbon Fiber Market Trends & Outlook ..... Error! Bookmark not defined.

Table 103: Rest of World Carbon Fiber Market Trends & Outlook: 2021-2031 (Tonnes, $ Million) Error! Bookmark not defined.

Figure 107: Rest of World Carbon Fiber Market Trends & Outlook: 2021-2031 ..... Error! Bookmark not defined.

10.1. Trends & Outlook by Country ..... Error! Bookmark not defined.

Table 104: Rest of World Carbon Fiber Market Trends & Outlook by Country: 2021-2031 (Tonnes) Error! Bookmark not defined.

Figure 108: Rest of World Carbon Fiber Market Share by Country: 2025 & 2031 (Tonnes) Error! Bookmark not defined.

Table 105: Rest of World Carbon Fiber Market Trends & Outlook by Country: 2021-2031 ($ Million) Error! Bookmark not defined.

Figure 109: Rest of World Carbon Fiber Market Share by Country: 2025 & 2031 ($ Million) Error! Bookmark not defined.

10.2. Trends & Outlook by Application ..... Error! Bookmark not defined.

Table 106: Rest of World Carbon Fiber Market Trends & Outlook by Application: 2021-2031 (Tonnes) ..... Error! Bookmark not defined.

Figure 110: Rest of World Carbon Fiber Market Share by Application: 2025 & 2031 (Tonnes) **Error! Bookmark not defined.**

Table 107: Rest of World Carbon Fiber Market Trends & Outlook by Application: 2021-2031 ($ Million) ..... **Error! Bookmark not defined.**

Figure 111: Rest of World Carbon Fiber Market Share by Application: 2025 & 2031 ($ Million) **Error! Bookmark not defined.**

10.3. Trends & Outlook by Modulus Type ..... **Error! Bookmark not defined.**

Table 108: Rest of World Carbon Fiber Market Trends & Outlook by Modulus Type: 2021-2031 (Tonnes) ..... **Error! Bookmark not defined.**

Figure 112: Rest of World Carbon Fiber Market Share by Modulus Type: 2025 & 2031 (Tonnes) **Error! Bookmark not defined.**

Table 109: Rest of World Carbon Fiber Market Trends & Outlook by Modulus Type: 2021-2031 ($ Million) ..... **Error! Bookmark not defined.**

Figure 113: Rest of World Carbon Fiber Market Share by Modulus Type: 2025 & 2031 ($ Million) **Error! Bookmark not defined.**

10.4. Supply & Demand Analysis ..... **Error! Bookmark not defined.**

Table 110: Rest of World Carbon Fiber Supply & Demand Analysis: 2021-2031 (Tonnes) **Error! Bookmark not defined.**

Figure 114: Rest of World Carbon Fiber Supply & Demand: 2021-2031 (Tonnes) ..... **Error! Bookmark not defined.**

10.5. Russia ..... **Error! Bookmark not defined.**

Table 111: Russia Carbon Fiber Market Trends & Outlook: 2021-2031 (Tonnes, $ Million) **Error! Bookmark not defined.**

Figure 115: Russia Carbon Fiber Market Trends & Outlook: 2021-2031 ..... **Error! Bookmark not defined.**

10.5.1. Trends & Outlook by Application ..... **Error! Bookmark not defined.**

Table 112: Russia Carbon Fiber Market Trends & Outlook by Application: 2021-2031 (Tonnes) **Error! Bookmark not defined.**

Figure 116: Russia Carbon Fiber Market Share by Application: 2025 & 2031 (Tonnes) **Error! Bookmark not defined.**

Table 113: Russia Carbon Fiber Market Trends & Outlook by Application: 2021-2031 ($ Million) **Error! Bookmark not defined.**

Figure 117: Russia Carbon Fiber Market Share by Application: 2025 & 2031 ($ Million) **Error! Bookmark not defined.**

10.6. Turkey ..... **Error! Bookmark not defined.**

Table 114: Turkey Carbon Fiber Market Trends & Outlook: 2021-2031 (Tonnes, $ Million) **Error! Bookmark not defined.**

Figure 118: Turkey Carbon Fiber Market Trends & Outlook: 2021-2031 ..... **Error! Bookmark not defined.**

10.6.1. Trends & Outlook by Application ..... **Error! Bookmark not defined.**

Table 115: Turkey Carbon Fiber Market Trends & Outlook by Application: 2021-2031 (Tonnes) **Error! Bookmark not defined.**

Figure 119: Turkey Carbon Fiber Market Share by Application: 2025 & 2031 (Tonnes) **Error! Bookmark not defined.**

Table 116: Turkey Carbon Fiber Market Trends & Outlook by Application: 2021-2031 ($ Million) **Error! Bookmark not defined.**

Figure 120: Turkey Carbon Fiber Market Share by Application: 2025 & 2031 ($ Million) **Error! Bookmark not defined.**

10.7. Other Rest of World ..... **Error! Bookmark not defined.**

Table 117: Other Rest of World Carbon Fiber Market Trends & Outlook: 2021-2031 (Tonnes, $ Million) ..... **Error! Bookmark not defined.**

Figure 121: Other Rest of World Carbon Fiber Market Trends & Outlook: 2021-2031 ..... **Error! Bookmark not defined.**

10.7.1. Trends & Outlook by Application ..... **Error! Bookmark not defined.**

Table 118: Other Rest of World Carbon Fiber Market Trends & Outlook by Application: 2021-2031 (Tonnes) ..... **Error! Bookmark not defined.**

Figure 122: Other Rest of World Carbon Fiber Market Share by Application: 2025 & 2031 (Tonnes) **Error! Bookmark not defined.**

Table 119: Other Rest of World Carbon Fiber Market Trends & Outlook by Application: 2021-2031 ($ Million) .... **Error! Bookmark not defined.**

Figure 123: Other Rest of World Carbon Fiber Market Share by Application: 2025 & 2031 ($ Million) ..... **Error! Bookmark not defined.**

1.2. Scope & Methodology

ChemInsider Market Intelligence (CMI) employs a structured research methodology combining primary research, secondary research, data validation, and market analysis to develop its market estimates and forecasts.

For this report, CMI evaluates key carbon fiber producers, users, end-use markets, and technology areas expected to be commercially significant over the forecast period. The research process includes discussions with industry participants and thought leaders, supported by extensive secondary research covering industry, company, trade, and government sources. Information obtained from multiple sources is reviewed, compared, and validated to improve the accuracy and consistency of the market estimates presented in the report.

Based on the information collected, CMI analyzes historical market development, current market conditions, industry trends, production capacity, demand patterns, and the factors influencing future carbon fiber consumption. The findings are used to assess the outlook for carbon fiber across major geographic markets, application segments, and modulus types.

1.2.1. Report Scope

The report provides historical estimates (2021-2025) and forecasts (2025-2031) of carbon fiber consumption (Tonnes) and market value (US$) for the period 2021-2031. Market projections are developed by considering historical growth patterns, application-level demand, regional market conditions, production capacity developments, technology trends, competitive dynamics, and other factors that may influence the carbon fiber industry during the forecast period.

Regional Segmentation

The report segments carbon fiber market analysis by following geographic regions:

North America

- United States
- Canada

Europe

- Denmark
- France
- Germany

- Italy
- Spain
- United Kingdom
- Rest of Europe

Asia-Pacific

- China
- India
- Japan
- South Korea
- Taiwan
- Rest of Asia-Pacific

Latin America

- Brazil
- Mexico
- Rest of Latin America

Rest of World

- Russia
- Turkey
- Other Rest of World (include other Middle-East and Africa)

Application Segmentation

Carbon fiber market by application covered in this report include:

- Aircraft, Space & Defense
- Sports & Leisure
- Wind Turbines
- Automotive (including other transportation such as train, marine)
- Pressure Vessels
- Construction / Civil Engineering
- Molding Compounds
- Other applications (include oil & gas, medical, and other miscellaneous)

Modulus-Type Segmentation

Carbon fiber market by modulus type covered in this report include:

- Standard Modulus, Large-tow
- Standard Modulus, Regular-tow
- Intermediate Modulus
- High Modulus

Report Synapsis

Report Parameter	Coverage
Report Title	Global Carbon Fiber Market - Trends, Outlook 2021-2031
Product Covered	Carbon Fiber
Geographic Scope	Global
Regions Covered	North America, Europe, Asia-Pacific, Latin America, and Rest of World
Historical Analysis	2021–2025
Base Year	2025
Estimate Year	2026
Forecast Period	2025–2031
Market Measurement	Consumption Volume (Tonnes) and Market Value (US$)
Market Analysis by Modulus Type	Standard Modulus Large-tow, Standard Modulus Regular-tow, Intermediate Modulus, and High Modulus
Market Analysis by Application	Aircraft, Space & Defense, Sports & Leisure, Wind Turbines, Pressure Vessels, Automotive, Construction / Civil Engineering, Molding Compounds, and Other Applications
Supply–Demand Analysis	Global and regional production capacity, demand, capacity-demand ratio, and supply-demand trends
Production Capacity Analysis	Historical, current, and announced/expected carbon fiber production capacity
Capacity by Fiber Type	PAN-based and Pitch-based carbon fiber
Competitive Analysis	Major carbon fiber manufacturers, production capacity, competitive positioning, and company shares based on 2025 capacity
Core Report Objective	To provide an integrated assessment of carbon fiber consumption, market value, production capacity, supply-demand dynamics, competitive structure, technology developments, and the trends and drivers shaping the global market.

1.2.2. Information Sources

CMI conducted both primary and secondary research in preparing this report. Primary research included interactions with industry participants, key companies, decision-makers, industry professionals, and relevant research organizations. Secondary research involved the collection and analysis of information from company publications, government databases, industry associations, trade publications, and other relevant sources.

The sources used in the research process include, but are not limited to, the following:

Primary Sources

- Communication with industry professionals and market participants through professional networking platforms
- E-mail correspondence and follow-up discussions with industry participants
- CMI's industry insider analysts' participation in relevant trade events and discussions with companies participating across the value chain
- Interactions with relevant research institutions and industry experts

Secondary Sources

- Government statistical databases and publications
- Industry-specific associations and organizations
- Global import and export databases
- Company websites
- Annual reports and financial disclosures
- Investor presentations and investor relations materials
- Company press releases and announcements
- Trade publications and industry journals
- Online industry-specific magazines and publications
- Government and public agency publications
- National, regional, and international non-governmental organizations
- Relevant previously published CMI market research reports

The findings presented in this report represent CMI's synthesis and analysis of information obtained from these multiple sources. Where appropriate, information from different sources is cross-checked to identify inconsistencies and establish reasonable market estimates.